



Date: 7/22/08

EXHIBIT B
Pressure Testing Permit*

Type of Test: ☐ Hydrostatic ☒ Pneumatic

Test Pressure 40 psig Maximum Allowable Working Pressure 35 psig

Items to be Tested

Test to be performed on the "Bo" liquid argon cryostat. Required 110% MAWP test.

Location of Test PAB Date and Time TBD

Hazards Involved

Remote possibility of a component failing and venting compressed gas.

Safety Precautions Taken

Test area will be roped off. Test administrators will wear eye protection. Test personnel should remain 30 ft. From cryostat.

Special Conditions or Requirements

Qualified Person and Test Coordinator Terry Tope
Dept/Date PPD/

Division/Section Safety Officer Wayne Schmitt
Dept/Date PPD/

Results No Leaks were found. Held 40 psi for 5 minutes

James E. Tread

Witness Carla Dept/Date PPD/ESH 7/24/08
(Safety Officer or Designee)

* Must be signed by division/section safety officer prior to conducting test. It is the responsibility of the test coordinator to obtain signatures.

Pressure Test Procedures for PAB “Bo” Argon Transfer Line.

1. CLOSE MV-381-V, MV-380-Ar, MV-379-Ar
2. Plug the exhaust of relief valves PSV-378-Ar and PSV-377-Ar.
- 3.
4. Connect a 1/4” copper tube to tap under PI-363-Ar.
5. Run the tube to the safe location inside PAB.
6. Connect tube to test manifold.
7. Pressurize system to 5 psi. Valve off supply and observe test pressure gauge. If pressure holds at 5 psi for 5 minutes, proceed to next step. If leaks occur at this step, fix the leaks. Then resume testing at step 7.
8. Gradually increase the pressure in increments of 10 PSI up to 40 PSI. Pause for 2 minutes at each increment and valve off the supply to make sure the pressure does not fall and indicate a leak. If leaks are found, depressurize system and fix the leaks. Then start again from step 7.
9. At 40 PSI, hold the pressure for 5 minutes.
10. If leaks are found, depressurize system and fix the leaks. Then repeat steps 7 thru 10. If no leaks are found, depressurize system and disconnect test apparatus.

Schematic and component ratings for pressure test of PAB "Bo" LAr TPC cryostat

Terry Tope
7.8.08

